DERWENT-ACC-NO: 2003-459542

DERWENT-WEEK: 200344

COPYFIGHT 2008 DEFWENT INFORMATION LTD

TITLE: Sewage drying apparatus comprises use of

greenhouse solar power under moving gantry with rotary hoe

bower moon moving dancia mitt totata woe

PATENT-ASSIGNEE: GRIMM W(GRIMI)

PRIORITY-DATA: 2003DE-2004220 (March 17, 2003)

PATENT-FAMILY:

PUB-NO PUB-DATE LANGUAGE

DE 20304230 U1 May 28, 2003 DE

INT-CL-CURRENT:

TYPE TPC DATE

CIPS C02F1/00 20060101

CIPS C02F11/12 20060101

CIPS Cl0L5/46 20060101

ABSTRACTED-PUB-NO: DE 20304220 U1

BASIC-ABSTRACT:

 ${\tt NOVELTY}$  - An assembly dries sewage sludge arising from waste water treatment.

The sewage is spread out on a straight bed and dried by solar action. The bed

 $\left(2\right)$  is traversed by an overhead gantry (5) to which sludge processing tools (8)

are fixed. The quantry tools turn the sludge at intervals and break it into

granular particles.

DESCRIPTION - The  $\underline{\textbf{sludge}}$  processing tools are depth-adjustable  $\underline{\textbf{rotary}}$  soil  $\underline{\textbf{hoes}}$ 

(8). The gantry further has an air blower hood with pipes to numerous outlets.

The gantry moves along tracks  $(3,\ 4)$  either side of the bed (2) . In a

prafetred embodiment the overhead gantry rotates over a circular sewage **sludge** 

bed about a central axle. The **sludge** drying assembly is preferably

automated

with the assistance of programmable logic controls under a glass cover.

USE - Used for sewage sludge solar drying and granulation bed.

ADVANTAGE - The assembly reduces the cost of rendering sewage sludge suitable for incineration.

DESCRIPTION OF DRAWING(s) - The drawing shows a suitable sewage drying bed under a translucent structure.

Greenhouse (1)

Sewage bed 72)

Sidewalls/gamtry rail (3, 4)

Gantry (5)

Rotary hoe (8)

Hanging frame (6)

Spindle drive (9)

Blower (10)

CHOSEN-DRAWING: Dwg.1/6

TITLE-TERMS: SEWAGE DRY APPARATUS COMERISE GREENHOUSE SOLAR FOWER MOVE GANTRY

ROTATING HOE

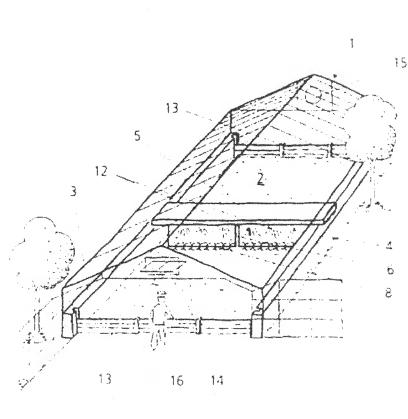
DEFWENT-CLASS: D15 H09 T06 X25

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SECONDARY-ACC-NO:

CPI Secondary Accession Numbers: 2003-122361 Non-CPI Secondary Accession Numbers: 2003-365528



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